19 Walnut Ch.

An Inaugural Defectation, on The list of Cold as a remedy in ferens.

· Ex factis veritas.

Paper March 18 th

hen display willy prize Tentas com bulidend a g Deprise us of 4.8.4 Efection of shence of el Inaugural Difertation &

Presionaly to treating of the Therapeutic virtue of Cold, it may be well to attempt an explanation of its moders Operandi on The Eystem, here I am sensible that I enter on disputed ground, the contests on this field of specu. lations have been earnest, & well maintained, much ingenuity & cogency of reasoning has been displayed on either side, which will render distinctions the more difficult and costly prize but Now nostrum inter has landas componero lites. Whether cold be sed - ative or Timulant in its operation? may be Considered a question till but judices Deprine us of fact, entirely, + from the common defention of Cold a forcible argument may be drawn in favour of its dedative agency. Heat is asknowledged to be the universal stimulants I cold is defined the absence of heat, (alias the absence of etimulus Can thew there he a great

w paradox the klass of how confis beided clinis Tion Jako as tily and we A its "demines elterations of to be being

-w paradox than to insist that cold popelies Unulant properties. Oslo is a sedation by taking the place of an habitual etimulus. But this may be considered a quibbling upon words, let us Maw confirmation from facts. A sedatino is dofund, A medicine which has the hower of dim. mishing animal energy, without destroying lifo; but this is obviously deficient, for we can easily percieno that all the most powerful and decided etimulants when used in exceping quan Lities will fulfil the requirements of this define Tion. Take alcohol for example in large gran - lity, and we have every day lamentable proofs of its "demonis being animal onergy without destroying life. I would propose the following, alterations. A medicino which diminishes animal energy as its first effect, without increasing excitement. Stimulants are medicines which excito the animal energy" and I would add with out beforeing the action of the vascular eystem

Allis dubier tegretor its se hould duple I luch an seted in con edy in diseas Theracter + wees. The of we obviously

The celebrated De Curio who has been more industrious and succepful in the investigation of this subject than any other who has attempt led it, I to whom I would now make a gener - al and gratefut acknowledgment for the per uso which I have made of his invaluable Reports, maintains that Bold is generally Stimulant, and only adaliso in immoduate degree, it's stimules he says is the climales of sensation produced on the surface, no should suppose that the greater the degree of Edd the greater would be the Sensation pro - duced by it, and consequently the more dimedant its Effects. Under the influence of such an opinion as This Currie surely acted in consistently to presente this am edy in diseases of the most inflammatory character + in The exacertations of Hees dis cases. The effects of the Cold bath on the body are obviously sedative, Observo the reductions

in the free Speciante " the capilla halenely of C luger + deep left up for Ly complain n the buth; of the body will be the

in the force of circulations, the quiescence of the Capillanes, (as shown by the palenep, & shrivelled appearance of the chiry and above all the debil. thy which immediately succeeds it, most indent when the application of cold has been long continued or excepino in degree. The rationale which I would offer for these phenomena is, that cold applied to The surface first exhausts the capillary repels of their excelability or maily so, when this happens we then find palenep, & contraction of the skin, but this do - ficiency is gradually supplied from the larger & deeper seated refiels, This drain being kept up for some time, in other words cold being long applied induces that fublines so common - by complained of after exposure to frosty air, or the bath; and if it should be continued in Excepino degree ather to the whole or a part of the body are antivo privations of vitality will be the consequence. This action of cold on

to body may how of one o bead of anoth mourball + Try This redu w seated ha When cold is Edictions of Unfaco, there to surface, a Whiled there the body may be illustrated, by comparing it to the Effect produced by a moro-ball placed in the focus of our mirror, on a Themometer in the tocus of another opposite, in the case of the mow ball of thermometer their is supposed to be a radiation of Calorie from the thermometer The warmer body of the two) which is conducted by the mirrors to the more ball, this being the Colder body continued to recieve, and absort the rang of calorie without making any return, thereby reducing the mercury of the thermone ter; This reductions would go on until the ends. ball had recieved a sufficient quantity of Baloic to dipolo it Hero then I would compare The deep. en seated hards of the body to the Thermometer when cold is applied to the surface there is a radiations of excitability from The centre to The durfaco, there rays of Excitability are received at the surface, and in consequence of cold being applied there are not returned again to the party

where they p for come Times Energ in the types or per si Fero. The & quies cenco lowe as per Sto, but I s in a ballo. enery ofters witch the of dates itself in hist was offer the It, and it whenew they proceeded; this action being kept ap for some time, the fund of excitability lette the mercury in the thermometer is reduced several degrees, or perhaps as low as Death which is as fero. The glow which follows this class of quies euco on the surface is adduced by some as proof of the stimulant nature of cold, but I suppose this the effect of the die seles heat, and not of cold. For The peripose of elucidations, two well suppose a body taken from an atmosphere at 80; and immersed in a balk at 60; the first effect is a direct & rapid reduction of wascular energy; the eystem however by a happy facility or plianey, often observed by those accustomed to watch the operations of medicines accome. dates itself in a great measure to what at first was offension, remove the body from the bath, to The almosphere at 80° which it has left, and it is exposed at once to the direct

when of 20 of metion on the If complete + Tio powers of und; take a for the experien it immedia hen too great proportionall Un us The following the the etalo of 2 enstances whi The correctness Huch of the s. Uppay while to to the length perhores who ifor the acte resumed its

action of 20 of heat, it is this which produces reaction on the surface which will be more or lef complete + apreedy according to The recupera-Two powers of the systems, + the degree of cold used; take a system in full health origon for the experiment + reactions will be alm. ost immediate if the abstraction has hot been too great; but if debilitated it will be proportionally slow in its return; this will show us the propriety of observing the glow following the use of cold as an Index to the state of the system. There are two circu metances which go far towards establishing The correctness of this idea lowerning The flush of the surface; the one is that it never appears while the body is in the buth, whatever to the length of Time. The other is that the fushous appears on the empace appears refore the action of the larger repels has usumed its wouled vigous in at least

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before it is at all preternaturally increased; This will appear by an examination of the force + fuguency of the pulsation of the witeries at the wies or of any lungo vefiches near the surface so as to be thus examined. These facts show I think conclusively that This glow does not depend on the general force of circulations, it must arise there from come cause which first acts on the surface; this cause I have supposed to be a number of degrees of heat, constituting the difference in temperature between the bath, and the abmosphero. It is easy to concione after this explanation of its moders Operands, how it is that cold may be varied in its results by the state of the system at the time of aprplication, this influence of the eystern is observed in a greater or les degree over all articles of the materia medica, it is only its power of resistance against something offers

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live & unnatural applied to it. The Efficacy of Cold in suppreping or diminushing action Hemorrhagies will afford us an argument in favour of its ledaline Operation, It here constitutes a part of an antiphlogistic or anti Mimulant bustments, variously low. joined with other sedalives, as sugar of lead, Evacuants to item if cold be a stime. land we strangely adapt our means to the end in view Cold is cornelines used as ow of the means of commanding hemorles. from bounds, let us enquire its probable man ner of action here It is a common subject of observation, that the hemovehage from bounds is in an inverse ratio to the injury which the refels have sustained; if an artery be opened by a lancet, a Knife, or other charge edged instrument, the flow of blood will be much more profuse than when the repel is low extensively; facts of this soil

To deductes Then is, the all aids a bats of the most vital The the great qualest nec The latter To 5 I consier

ding it; the ets the circo now which of The bleeds articles who

are innumerable on the records of Jungery, The deduction which I would make from Them is, that Vitality in the coats of the rep. - els aids and influences in some way the pro circulation of the blood; that in prop ention to the violence offered in opening the toats of these repels is the lop of vitality or "unimal energy; + theo left energy there is no the repel, the lef hemorrhage takes place from it; now in incised bounds there is most vitality left in the refel, consequen My the greatest flow of blood, and the qualist necessity for the means of comman ding it, these are the ligature which obstrue ets the circulation mechanically, the hot how which destroys entirely the vitality of the bleeding extremity, and some other articles which act in the same way as Hw latter Though not so powerfully, Eld is I concieve of this character, it is often

morted to, s Lucing Coag way than 6 its power of What is a anfaces? De epeaking of lamed of ser my the men bold is quito a moderato Ald water to resoled to 4 formed any success for 8 in probuting cagailations in the otherwity of the Reducy referly this, can happen in the the van than by a previous domination of the Ordally, of the refet for if this had animous unallies, the book would till have flowed to the house him allowed for tragilation to take place. This officacy of little in supposes, ing hence they goed for towards produce in hence of dimensions are much very with the till constituted it a detaline.

Mad is the action of old on lensible bufaces to the boundary of Opicions argues that it is there per a stand for the first of it there are a family to the middle are force; as an influence to the minhames of the many truthenold less to quite the according of the seasy truthenold less to quite the according to the according on a moderate degray the boothing maters of the trade at a moderate degray the boothing maters of the trade according to the truthenold and the according to the trade to the trade and the trade to the trade and the trade to th

md we are of some loos to denied ed in loss with great Low Chape therates in

and we are instinctively driven to the wee of some cooling applications to obtain relief from the pain of a burn; having thew ench authority for pronouncing any thing that proves irritating to sensible surfaces llino - wlant, and experience on the other hand to enstain the apertion that cold is not only not virilating, but even an anodyno to painfully inflamed + consible emfaces, energy it is an inference as just as not to be denied mo, that it is a ledation. The cases in which cold is so frequently + auch

cepfully used by lungeous indicate very clearly its ledative impreficous, on inflammations of large joints, I from wounds cold appli ed in lowe permanent form is attended

with great advantage.

Dr. Chapman & Jackson, differ with Curio as to the manner in which cold afferion operates in breaking up fever, the former Cup

posing it to a dieses by vill makes on the to surface; cipal sympe of Curio los ruging, Bather + continued Jusion; but to its morbid as rible dashing no the patient by the horrory o ses, Than by to This instance to unk This Es posing it to avrest or change the nature of the desease by virtue of the impression which it makes on the eysters, through the medium of the senface; the latter that it is by abstracting The preternatural heat of the body, a few degrees of which according to his experiments, + observalious will cause an increased circulating increasing debility, thirst, and all the prin cipal symptoms of fever. This explanation of Curio would I think better apply to speouging, Bathing, or some more permanent I continued mode of using cold than of Juston; but when the fever is arrested, & all its morbid apociations differend by the for cible dashing of a length bucket of Water on the patient, it must be Effected rather by the honor, the commotion which it can ses, than by the abstraction of heat, for in This instance the Cold is too soow removed to work this Effect.

Direction Much of the to the introd Thus which beld may be hour it is a lign to spea mode + I bet ham presero It may no ate use of The wateriety to In his day h quito a dar the quat brop halient in fe Directions for the use of lolds. Much of the opposition which has been made to the interduction of toda into practice may be sented to the ignerance, a major of these discontinuous control about the limb of presence as in the confulling to the made about the limb of the limb of the limb of the limb of the limbs.

bold may be conveyed when through the mode and any a control to the boly for made as from any for the state was the state when the server is that the descript to speak the state who should like the state who should like the state who should like the state of the st

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in fact the observation of every praditioner much leach him the importance of attending to this direction, and as subservient to it of beating up those apenblages of friends which too common by crowd of heat the sick room. Free Ventilation is one of the most succepful means of erad. icating Contagion, whose most fulful soweer are vail, Hospitals, hans ports ships, + such Evouded places. When there is much moisture about the surface, a current of air will lower the lemperature of the body very considerably by increasing evaporations; Curie found the heat of auface to be reduced more rapidly by a brugo even four or fine degrees higher lemperatury than when the body was teept in a calm still place as many degrees lower. The common methods of using Cold water in fevers may be divided into The Sudden + Noterit, & The more moderates permanent; under the first division are inclus ded affusion and Immersion, in The second ac

Len Chong to arrest a of body of in conseque moistened w modes by is as much tel of the wa place Sponging & General ablution. Burrie gives a general preference to affusion in practice; it is I think better calculated than sponging to arrest a fever, to break the calenation of morbid actions; but the latter is perhaps test fetted to surdue the force of a paroxy son, by reducing the activity of disculation of heat of body. A peculiarity of Oponging is that in consequence of the lunface being prequently moistened we have the advantage of a great a number of evaporations than in any old en modes by each of which the heat of body is as much abstracted as by the actual contack of the water elself. If we are doubtful wheth or there be sufficient energy in The systems to justify the use of sold, we can much more sufely feel our way with the sponge, as the syswhen the febrile ansibility could not custain with sofety The shock of an affusion.

Kankel, + po uto keep up katient com buld have en found very & Eld is of and the utility of Though in m burnetted the in the same 4

Springing may be undered much milder in its operation, (as indeed any other mode of apply ing lold water by Carefully wifiing The body day immediately after it, so as to prevent evaporation A modification of ablation, + a very convenient methods of using cold, is to roll the patient in a Hantel, + pour the water over him prequently a as to keep up its constant influence. The most mergetic application of cold which I have ever known in actual practice, was the lovering a patient completely with ice, this was in a case of Belious fever when an excepive heat prevailed, which no depletion short of producing State lould have subdued; the practice adopted was found very succeptule - The internal use of Eld is of ancient date, Heppociates advocated the utility of lold drinks in februlo diseases, though in modern practice they seem rather permetted than enjoined. Cold drink specale, in the same way as cold applied to the surface

on hence the beter applica ad by chan + period of. & would be mural rus The disease lousidered nor for cold that as the co delived, the only in an inferior degree from the want of exaperate ow; hence the same rules will govern as in its new whether Externally or internally. It is improfeble to establish a standard degree of temperature for The water applied to the surfacy the variations requiand by changes or differences in climate, nation + period of disease, constitution of The patient the would be so memerous as to destroy any general rule in regard to its as a medium the Ald talk may be apuned at by The look at 150+ The leped at 95° Fabrenheit, this will be varied as we approach, or recede from the tropics, as The disease is more or left advanced, or the con Utilutions more or less vigorous. He may sup pose that what is look in England, will be Considered Cold in the WIndies. Curio used generally pumpervater saturated with salt at 40 or so for cold affusions in the early stages of five, but as the case advanced, and the heat + chough declined, The Emperature of the water was incurred,

& cometimes 59 Amegar + 1 ifet Vinegar from Commo it Olimulans misiderable sets + thus is wapped in Heving their & his of lesing & Eases where co The temperate by The physics

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he cometimes used in the following order tresh um too, Nungar & Water, & Salt water as the case progreepet Vinegar though good must be excluded from common use by its expensiveness. Talt by it, Demulant property will counteract in a considerable degree the debelitating effects of Colds of thus is better calculated for doubtful case, or advanced periods of disease where much debelity prevails. In the delirium of fevers it is highly important to use cold applications, such w Cold wel clothes frequently renewed, or what is more efficacions (if to be had) lumps of ice wapped in dothes tapplied to the keads Having thus eligibly considered the common me. des of lesing bold, we will now give the prince had signed by which its use is indicated In all cases where cold is administered there should be heat, + a sensation of heat; in other words The temperature of the surface as ascertained by The physicians hands or thermometer a more

The sentage Tient before It is not only correct reporter, ) should be steadily equal to, or above the natural temperature, and the patient should at the same time experience an unranging feeling of warmthe If cold leffusion be administiced in the cold stage of fiver before this heat of surface is manifest, the respiration is inter supled; in some cases suspended nearly, the pulse becomes fluttering, feeble, + very frequents The surface + extremeties become Cold, + eliv. elled, + the patient seems to struggle with the kunge of instant depolutions: these serious Consequences will sens to imprep us with the chief necessity which exists for our being mesent, & examining The Condition of the pa lient before so energelic a remedy is used. It is not only requisite that the patient should experience a sensation of heat, but also exential that this should not be flustuating, it is some times so unsteady that the slightest exposure to cold, even the Shipping off the bed clother will

the senface se direlihmen be find it into, when It The hot clags antro of the thuggling to The surfuer puspiration I will be day ald at the h The loumen

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produce chillines; such a state of eystem as this will be equivalent to no sense of heat, + cold should be forbidden in This case as in all others whenever it becomes disagreeable. This fluctuate on I unsteadine of the heat I sense of heat or the senface seems to be owing to an imperfect developments of vascular actions, the system is how probably in the same conditions in which we find it in the paropyeou of an intermitt ent, when the cold class is terminating, but the hot stage not fairly formed, when the heat as well as the blood is accumulated in the centre of the eystern, &- The vital power is struggling to give them that propulsion to The surface which leminates in profuce perspiration, + carries off the disease. It will follow from what has been said that it will be sufest of most advantageous to use cold at the height of exacerbation, or just at The commencement of declination; also in

The early stage shrenced one I the medica in which Col. The fever, by to igual to The The a late per + strength 1 wirw are hew if we we very moder with dry sale the early stages of fever, in preference to the mon advanced ones; in Chapter fifth Volume the first of the Medical Reports Curio gives several cases in which Cold was used in different stages of The fever, by these we find that when Cold affect. ion was used in the first execulation health was speedely restout, but when it was defined to the sight, eighth, or tenth day, it was necesany to repeat the affusion in a ratio mearly equal to the days of its continuance. At a late period there is not so much heat + strength to support the system, + bring a. bout a salutary reaction; and the desauged retions are much more indepolubly linkedy hew if we use Cold at all it must be in a very moderate degrees it will frequently be necessary in cases of this kind, + wherever the use of cold is of doubtful propriety, to follow it with come means of supports as fuctions with dry sall, & flaunch toarm time or lome

duesdo to a mi profuse lens moisture our use of Coldy ing especially wolent exercis little or no do The application smelines ere

other cordial until a glow is established on The Eurface, which is an evidence of eagety. If chillings is produced by The application of Cold, ever though the heat of surface is not redured to a natural standard, we must discontinue it immediately, only applying it as long as it proves refreshing of grateful to This feelings. Then are no stated periods of the day at which lold must be used, it will be safe at any time when no sense of chillings is pres ent, elrengths not too much exhausted, heat shadily above naturaly + no general or profuse sensible perspiration; a slight moisture on the surface is no bar to The use of colds, bu the commencement of sweat ing especially if it has been induced by Violent exercise in a puson of good constitution little or no danger is to be apprehended from The application of Cold to the surface; it may sometimes even be resorted to with great

my or long ! two natura The reason to als of lineal & part of The Coling make powerful hup the eyo The physicia hy examino after a leven Jung with Eases The hea posing the by etato of the A person in means to a

benefit; but if the perspiration has been cope -ous, or long continued, the risque will be a qual one, even though the heat of body be greater than natural at the moment of using it. The reason why cold is forbidden in the progrefs of eweat is obvious, Sweating itself induces, debility in two ways, first by the evacuation of a part of The fluids of the body, becoudly by the Cooling nation of The process; to add then the powerful ledalive Cold to all this, is to do. prefs the system to a dangerous degree. The physician is often liable to be decieved in his examination of the temperature of the body after a liveal, by The heat of bed clother inter. fering with this cooling process; but in such cases The heat well be rapidly reduced by exposing the body to the air, and thus the here state of the system will be ascertained. A person in good health heated by exercise or other means to a preternatural temperature,

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provided there purpiration , In in Cold le houteon, me blaces. The Landanum,

flannel, dry querally bo + Stimulan

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provided there is not much exhaustion from perspiration ofalique, may batho with impuni by in Cold Water, Examples to shoughten this hosetion, may be found among those enjoyed in Glap Works, Furnaces, Simer Kilus, + other healts places. The means of counteracting the ill Eff. cets of told whether arising from its impredent application other externally or internally after violent exucise, or from its use as a remedy in fevers, are, in the first case the Warm Bathy Landanum, a bladder or bottle felled with warm water, I applied to The scrobiculus Cordin Etimulant & Cordial drinks, frictions with plannel, dry salt to for The latter case it will generally be sufficient to make use of frictions + Stimulant drinks, To introduce greater accen racy in practice, of in histories of diseases, burie was the first to use a thermometer, so constructed as to be easily applied to The wille, or under the longer, The harts of the body which

Most The mo naturi / This is in indispens hand The ac rided by it. virtue? we to suns high, The

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afford The most correct indications of its temp eratury This instrument should be considered an indispensable appendage to The bath, for The base report of our sense of feeling (hable as all our senses to evra) must often be found a preserious dependences Moreover this tactus endeters allowing it to be sufficiently accurate, is only the acquirement of experiences the succep of the young practitioner therefore wethout some other quide must for some time be forbutous. In making an estimate of lemperature, we should not only examine the tougue, or axilla, but also the extremities. A fixed attention on other objects lepens, + fear increases the Effect of Cold. Valivation is no bar to the use of cold, but on the other hand the action of mercury is found to be aided by its may this not be by its febrifage virtue? we know that when the febrilo actions runs high, The mercurial action is difficulty

whathished. Co. gives The mere & Tako come The Cold bath, a un allowan wal differen On the of this fever a lild lifferion

established. Cold by reducing The febrilo action, gives The mercurial the avcendancy, & thrus pray an auxiliary. Carrie advises infirm persons to take some lettle exercise before going into The Cold bath, in order to seem a timely reaction. But I would ask why The necessity for This precaution if cold be as he maintains a Otimulant? - In diseases of high action The application of Cold should rather be perm went Than sudden. - I should suppose that in ascertaining the heat of surface by a thermometer, it would be proper to make an allowance of a few degrees for the nat usal defference between the heat of youth

On the use of Cold in the Paperice. I of Intermettent Force. He aumber of our of the four reported by Carrie as treated with leld lifewing on one not numerous, but suffice

put to show show ablenel in the former to hurry on me in which mounty Close wing the chile the contrary In this purp

event to show the sufety at least, if not the advisableness of The practice; the intention of This plan is I concievo still the same as in the former methodus mederedis, that is to hurry on the two first clages of the fever, to a resolution in the last, but the man new in which this is effected is very much at variance with this old modes of curry formerly Close confinement in a warm wow, I bed, Almalant beverages to were use to promote the last or deveating slage. Dec. sing the chile cold when externally or enternally is expreply forbidden by Curicy ow the contrary he should be kept warms, + for This purpose it may be well to roll the patient in a blanket, & Keep up a constant warmth on the seriface by tepid or warm Water pound on at short interval; the ac-Tion in this chage of fever is confined to the deeper leated harty + is Elinggling to come

not on The of the paray Curio has a shrunto & co

out on the surface; to make use of cold Then would be to deprep it still farther whereal ready too low But when the hot clage has come my or in other words the action reached the eurface, then it has become mon equalised, the larger refels not so much engaged, The fever their becomes generally & great head and Thirst prevail till the sweating dago come, on to relieve it; instead though of waiting the tedious process by which nature brings about This calutary promofe was actions, we employ Cold, which at once reduce, this high action related the empace, displaces is there promoted, & proves as it is wort to do the crisis of the paroyyour. As a cartion to the carely Curio has reported a caso in which Cold affusion was employed while The patient way Shiring, hules Small & fuguent, extremities Shrunk & cold, in This condition the cold himo was dushed over him as usual; but his

betting was let, his pulse Wions of the oldness spre. intim retur belowing, he : Timed feren Their Ceracity The profuse , carries off V. of beat enfla withheld, or will constite The use of con Hew allender busting was for some minutes almost suspen ded, his pulse at The wrist not to to felt, The pul sations of the heart feeble & fluttering, a deadly coldness spread over The surfaces & when resp ination returned it was short, veregular, and laborious; he recovered however in an hourty The use of Alimelant remedies. Cold can not be used to such extents in Intermettent as in Con - tinued pereis because of the difference in Their terracity of heat, it being retained much more firmly in the latter than the former, the profuse perspiration of Intermedlents carries off The heat of body more rapidly Than it is discharged in Continued fevers. When a fever is accompanied with, or symptomatic of local influramations, cold must then be withheld, or sparingly used, this I think will constitute a bar frequently against the use of cold in Intermittents, which are often allended with visconal congestions.

Continued à 1 Japh Sto in Lyphus Continued Fevers.

1 Saphus. There are few feets in our leience more ably supported by experiment, + high authority, there that of the usefulness of Colot in Explais fevery it is consectived by European physicians (particularly in & Britain) one of the most powerful & Efficacious means adopted in The treatment of it; & The came position + over fragable lectionomy is only less in this course - Try because of our happy exemptions from The Calamity, one which must always in a greater or less degree be The Concomitant of a done population, + which will without extraor. diviny can fall in Mary Lorgon train of evil, burnic has devoted a large portion of his value. able work to the consideration of this subject & of other eminent physicians, has collected + reported a variety of cases, from the melder to the most aggravated forms of the disas

Afwiow is a leid down by the water & ut force ou the changelo The Water, Sa Mution, inst in This advas Wine, or some used at The s The comme of day is us

Afferiow is the mode which burne preferred for applying, Cald in this fever, / as endeed in most others / patricularly in the early stages, + it is laid down by him as a first principle, that its effects will be mow or les satutary in propor-Tions as it is adopted early, or during the first slage of the disease; such being the fact we ought always to employ it [if at our options) the first, excounds or think days of excitement, the water should be first deshed with great est force on the surface, at the disease advances, the strength weakens, of the heat of body dim. mishes, we should raise the temperature of the Water, Saturate it with sact, & apply it by ablutions, instead of by affusions. It will be were in This advanced period to administer warm Wine, or some Cordial after it. It should be used at The height of Exacerbations or just at The commencement of declination. The line of day is unimportant. Coma, Muhors & de.

they depend, by counterad my a told for to how soon House of Recover been used In Witingly man linato lemin qualified, & por

beium are prequent symptoms of This fever, I The determination to The head whow which they depend, may generally be more succepful by counteracted by shaving The head, + apply. ing a cold wet cloth, or hounded ice when the case is extreme, than by any other treatment; see how soon the lubulines of The madman is allayed by This simple practice In Thereford made by De Demodalo physician to the London House of Recovery, inserted in The Unt of Curio, after giving a rief thetch of the symptom, + heatment in several cases of This fever, he concluded by easing. It is unnecessary to relate other cases in which The cold affusion has been used. In all The good effects of it have been strikingly manifest, + in no instance has The disease berninated fatally after the use of this remedy! mr marshall surgeon to The Cheshire Regt in a letter to De Curio is scarcely life qualified, & position in his good report of this

puction Of in which sion, sixly Of B Old in This doubt from heat sensa sium with That it in practice "Of dish four case," says he " of lighter in which and all was employed at an early he sind, say he allow them of the censely, the armaning four applications of the censely, the armaning four which were considerably met at all shough they were little or perhaps not at all shootened in Their durations although the appeal of I homey to many others of the same nature, tegenally late of the same places to work and a superior the same places of the same haters to work the same thereof the late of a some the same had a superior the same from the same had the same thereof were the same of the same had the same thereof were the same of the same the sa

Of Bilious Remittent fever.

We have few refords of tricle made with look in this few though there can be no downth from the few terms of the trick to the the the trick to the with which it is often attended that it will be to the the trick to the trick t

whiteliow. The Is uso will to from The State mino This, + has in a slar thetato a coun Tun are so efte imatio of hep Uplications to Shusician rem well as energy

exhibition. The qualest restriction by which its uso will be limited, will arise perhap, from The state of The Liver; we should ex amino this, + if from the symptoms it ap hear in a state of congestion, this may con · detuto a counterindication. Cure afrigues as a reason why lold is not found so well adapted to this fevers of the East Indie, that They are so often accompanied with, o symp Cornatio of hepatio, or some other visceral longestion. The benefit derived from cooling applications to The head in violent cases of Belians fever is well Brown, I in some case, The excelement of the hairs is so great as only to be subdued by a long continued application on of cee . have known only one case of sold This fever in which a general use of cold was fairly tried, this was under the develow of a physician umarkable for The ingenery, as well as energy of his practice, here the sunf.

het great there to which was ud lor a sen mactico was dy relief Au co This felled was sine The heals Hensino odous The distance of night, when I

are was hurched with a most intolerable heat, great thust, restlepness, & delicions exis -tea, which were found to so unconquerable by any depletions within the limits of cafely the halient was completely inveloped in ice untel the burning sensation was exchan. ged for a sense of coolings, this was though in a lep degree repeated once or twice, + The practice was crowned with The most spec dy relief. An enderwick of a very malignant Character has for several years prevailed with Considerable fatality in The country of Botels tent Virginia, the remote cause of this fever is supposed to be derived from a marsh Evering about seventy or a hundred acrey, This felled with a black mud, which do ring The healts of cummer, emile a very offensivo odow, sometimes peraepliblo at The distance of two miles, karticularly at night, when These Effluria are most noxious

to well is home for the server of the

hummer of the adjoining,

sing to The

much, in

so well is This fact known, that some whose busines requires it, remain through the day near This epot without the least duad of danger but flow from it as night approaches In consequence of the water a much of the march possessing brackiel properties, it was before the settlement of that district of com try a great usoit for dees, or hunce called The Lick As far back as the memony of the old. est settless extends, the vicinity of this exist has been visited by a fever bearing and how termittent type, in the latter hart of sw. mmen + beginning of autumn; but in the bummer of 1821 it assumed a much more aggravated form, in consequence it was cup hosed of the impredent draining of a houd adjoining the dick in the mouth of lune or some time early in the cummer. This by expo sing to The action of the sun fish, plants, +

muchs, in a pubulying condition; lo pollated

uso, + render of bold Weals med it comp milings of 82 valious when with a few ne which Is Tho munda about The fo water had be

The almosphere as to change The lype of the dis ease, & render it greatly more violent, The return of Bold Weather nadicated this fever, or rend. ered it comparatively mild & hamles, butto wilings of Pringle may be found many obser vations which throw light ow the cause, + phenomena of This dicks pory for so we will call it for the present / it is indeed to many analogous to The fever which this author has described as prevailing among the Butish soldiers at Expectioners, in the Dutale Brut. ant, That I will hew about his history of its with a few slight alterations. The situations on which the Butisto army was here encen hed, was naturally low, o damp, but the moisture & lonsequent unhealthfulness was at This Time still faither increased by The mundations which had been made

about the fortified towns, or a part of the water had been let off in the beginning of

in their back at the storm

why heer con

had been & July tet

He they com

summer, these grounds which had formorly been evered with water being now left half drained, + marshy, filled the six with moist of putrid exhalations The summer had been butherto warns, but througho. ut July & Suguet whilet The sickness was quatest, the weather was fair, closer & sustry, news the inundations the nocturnal fogs involtich + fated. The heats about the beginning of September, & the distempers in proportions The frist & worth appearance of the Epidemic was in the form of an ardent fever, the men were suddenly singed with a violent hear. acho & frequently with a delineury if sense . He they complained also of grievous pains en their back, + loine, of interes thurst, of a burning heat, with sickness & oppression at the stomach, or with retchings & voice tings of bile, others had an evacuation of the bilo by stoot, with a tenesment & pains

of loffer grown the letter stage the use of Cold

this papage of Fringle calle this the Influmma. tony Belione fever, or the second grade of Beli. ous fever which prevails in this country. The most violent cases of This Lick fever Cerminated in Death about The fifth, & sixth days; it was from the first attended with exapine heat of the eking the hatient at The came time complaining of a burning con - ation of heat, great contability of the stomach from the first, tim some inclances a matter of Coffee ground appearance was wounted in the letter stages of the fever, great excelement eyes, & high delinium, the chin as yellow as perspiration, which linged the bed clother with a colour as Ryllow as that of this ckin. This four certainly presented strong indications for the use of Colds, but I knew of but one case in

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which there was more than a head applied how of it to the heads of each they the operation of the place was the flee presented of the patient of the patient cale at the carried beautify a few files a freshold by elf him noticeally landing a few briefs was over much the action of the care was but consider the action was but consider the action of the careful flesh that we can was but consider it a most appropriate comments for another care of the Shlomandel

beens was for a long boun doubtful of the performents of extens to the end this extens of extension of the end this extension of the safety of the safety at least we sens of them as by and by higher and marked to these loss however will be more appropriated, considerable or the sound of the matter than the performance of the format to arrever a value to the purple of the total the tentage of the total accompanies the forms of the tentage to proon the tople in the forms of the last hadee accompanies with he paster of the last hadee accompanies with he paster of the last hadee accompanies

we of Cold 113. speedily red of the remed

from what has been said by Eurice on The use of Cold in The Thlegmasia, that he was only convenced of the safety, + not of the general whility of the remedy in these disea. as. \_ Of the Exanthemata! = At a time when The emplion which characte wises this Order of Paperio was considered out isal; cold in any form would have been du -aded; but modern pathologists have looked on the cutamous affection only as they would on regulated by, + dependent on the degree of previous exceedily reduced, that will appear but slightly, It was in this Order of diseases that Sydenham made his distinguished application of cooling . + the benefit to clearly derived from this moder ato use, should eve think have afforded and endication for the more vigorous employment of the remedy; but easy as it may now seen

the credit of this instruction was exercise for the little + ingerious Delanies, who while this continuous and make continuous and how any attractive the Exercitions will include of this and is to think he had a probable of this and is to think a better that a back is perhaps best adapted, are Sensitions, & made of an acculations, of it is a sure of meading which did not prove injuries a he had explored but upon iments on this keast are not as get inference to mead as not as open the sure of a large that appropriate as the had explored but upon iments on this keast are not as get inference to mead one which the formal draw are malmally trusted by the great little to the formal and further which this drews beautiful the contents of the sure of the sure of the time to the sure beautiful the sure of th

Of Searlatina.

Here is a decage which is the activized by god heat of body, amounting in some wident case, to 110°+ 12° The there is also high deliving the Ufferseence on the senface exempte continue the inflammations about the Threat; + is it.

may be ext her a char on of Coul the Contagi have the el with it is usults Do to de Curre in very decid be found & When the fo self the effect of the excitement, for the fever may be extinguished before the effloresance has a chance to appear; So speedy a depotate on of Contagious diseases is not considered adn cable, as by that means the future influence of the Contagions will not be presented ald has here found as we might readily have auticin hated from the great general heat, & strong excitement about the hair, a valuable remedy in this fear. In support of this practice we have the Thong allestations of De Gugory profesor at Edubing, he made his frist experiments with it in his own family, I with the happiers results. De Gerard of Liverpool Communicated to De Curies his good opinion of this breatment in very decided language, a lingle affusion he found sufficient to check it if not fas advanced, so as not to require a repetition. When this fever is fully confirmed the heat is so entenso as to require a mow prequent repeter

Tim of The Bold home well in there beneficial of Englipel of bold in the aw heat, of drys wins, + delie it when rial To use it before thing observed perhably for the

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two of the cold than in other cases, here's think that ablation with the though would be the made to the made to the made

Of Small My . — It is the distance speces of this disease to which the state is found but supported by the state of the Conflict of forms until out the tables to the state of the disease, he made as tested of the two terms of thought for the factor of the state of

than beneficial.

Of Mildhellet. burne recommend, a trace of best in this affection, I have no doubt that it will amone in to allot them are hast of the chiral brights extensive actions, I deliceum which of two secondary of when wislents to would be well I think to see the other than to feel them to be seen the see the secondary of the secondary for the secondary the seconda

In use in h in ather of the Testion of the The Hemor 4 Cold wither must be an of Epistavio how the nose the Oliptic po heed, ie la head, or pour Minate Cases of cold by gene an ague is p You use of Con implies a lues has been curtis

its use in the Tuple Confluent Could Pox; in ather of these cases there is too great a pros-Testion of the hower of the system to been so enfufling a remedy. The Hemorhaged: In all active Hemorika ger bold ather generally or Topically applied must be an epential adjuvant to depleting n whatever else is used for this purpose of dim mishing arteral actions Of Epistaxies. To supprep a discharge of blood from the more besides the mechanical means, & the Olyphic powders or substances Sometimes lesed, ieu water chould be poured over the head, or pounded ice applied to it, in very of - Christo Cases it will be well to make use of Cold by general affection over the body like an ague is produced. - Of Nomophysis. The use of Cold in this disease, as it's mamo implies a weakings in some hast of The lungs has been cultiones & limited; in all ordinary cary

K wen necepar it to the bleed You petient to rije keling alo a less of Labor we are centered to experi the body to a surrent of bat say in addition to this it will be addition to this it will be addition to the same of the water as the addition of the grandets of black dictor yet to reduct by the grandets of black dictor for the surrent of black batch, but with arising in the safety pay of black batch wet with arising in the safety batch batch which has been accommended by sums in them cases, is taken to a versummended by sums in them cases, is

Of Momorowiolds. Cold may be here applead to the bleeding neptets without a menay of agus first intendenced on popular with the extense, I live to play the first intendence with rate total on by Chatter to be the matter to the cold total on by Chatter the patient about the patient about the patient about the patient to the application of the theory of the total of our the region kinds of the water cold in patient on may be thereone in the the tectum. If the theory on may be there we are the thrown of the through the through the through the through the through the thrown of the through th

mude of Trust Esstew delive this has taken que of Bald Eld Campour 4 as nearly Thus briefly meinal dere Till I fear po how the task to publish a more if pape sections which the reception sechoing the tal can not mede of textenent has failed, as there states have ten delivery by manual lifestance, after the ten to have blacked from the later place of ladd new the laddening, extraduce the field ampany, or a lamp of in in the ragina do as menty to fell it to be

Here briefly beaue of brought to a construction the last or machine head of my Epay, in the sizemak strugue of some much per per lands to have much perper lands to have been blessed to centrally though it will all of these who have the tack of reading it The object of the production it will be persisted to as not been to be the best of the person of the best of the mach is published a discourse best designe us to an more if people come could person of the opportunity while is so obstincted made against the acceptaint of Cold as a range, my funct, we have acceptaint the ballow rules of Cump for the cold of the observer for I can not but repeat that much of the ob-

Huclims to staining the arise from a to the sta denied and two receips are induced its extreme .

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Science bases solvies the

duction which this practice has encountered in obtaining publick confidence, of general adoptions, arises from inattention, or incorrect judgment as to the state of the system; it is by some perhaps denied admission on account of the close attended tions necessary in administering it, I by some I am induced to suppose it is rediculed for its extreme simplicity, by This class it will be likened to the fectitions practice of Sungrado, there is it is true nothing complicated and wordrows about it, but to use The language of a distinguished writer. It were better perha aks that's medicine like other hunches of natur ral knowledge, were bought from it, hidring place, I extribited in the complicity of science, I the nakedness of Truth? It is nothing of a Black art which we practise to command the gazing admiration of a multitude, but a Science based whom Reason, & offering to her volaries the heartfelt gratified of Suffering

rds of medici Julnet of Cal r brates wi the subjects their the da hallowed the article In oceasion Endering The which I ente

humanity. It is wonderful that men of reputed observation should so long have hoped until. ed the numerous facts to be found on the rec. ord, of medicino which testify the extension user fulness of cold in Fraction; but it is still great er matter of supriso when Those of distinger. which sugarity, & indefatigable research, have Tried, hourted out, & duly regulated its uses it should still be looked apow with horrow, or treated with indifference. article of ac-Knowledged poisonous properties are often the subjects of yealous experiment, simely their the danger allending it can not be allowed as an exense against a trial, the article is energetic, though not neces arily, or even Commonly dangerous. I would do injustice to my feelings on this occasion, were I to conclude without tendering The sentiment of gratitude which I entertain for the universide afree

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duity with which each ow of my distinguis

had leveptors in this University has discharged the duties of his respective chain allow a long of university the continuation of health appearant of a free free months are sport them the General and of a riving

nation. - Fines -

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